

United States Patent [19]
De Marco

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[54] **METHOD OF TREATMENT OF ANIMAL
AND HUMAN TISSUES DAMAGED BY
BURNS AND FRANK VISIBLE GANGRENE**

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Related U.S. Application Data

[63] Continuation of Ser. No. 156,915, Jun. 6, 1980, abandoned, which is a continuation of Ser. No. 919,087, Jun. 26, 1978, abandoned, which is a continuation of Ser. No. 87,621, Nov. 6, 1970, abandoned.

[51] **Int. Cl.⁴** **A61K 31/79**

[52] **U.S. Cl.** **424/80; 424/DIG. 13**

[58] **Field of Search** **424/80, DIG. 13**

[56] **References Cited**

U.S. PATENT DOCUMENTS

3,337,406 8/1967 De Marco et al. 424/80

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[57] **ABSTRACT**

The regeneration of animal tissues by intramuscular injections containing a substituted ethylamine in combination with a macromolecular substance for the purpose of intravascular transportation and or inhibition of hydrolysis of the compound after injection. The ethylamine moiety is selected from the group consisting of lidocaine, butethamine, chloroprocaine, dibucaine, hexylcaine, mepivacaine, piperocaine, benoxinate, naepaine, phenocaine, cyclomethycaine, proparacaine, pramoxine, tetracaine, dimethisoquin, procaine and 2-(4 imidazolyethylamine) or histamine and diphenhydramine. The macromolecule is selected from the group consisting of polyvinylpyrrolidone, methyl cellulose, dextran, gelatin and polyoxyethylene sorbitan monooleate.

2 Claims, No Drawings